

MASTL recombinant protein

MASTL, Active

CATALOG # AAA73737	HOST Sf9 insect cells	APPLICATIONS Western Blot
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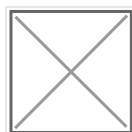
PRODUCT SYNONYMS

MASTL; Active; GREATWALL; GW; GWL; hGWL; RP11-85G18.2; THC2; MASTL recombinant protein

PRODUCT SPECIFICATIONS

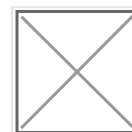
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MASTL recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for MASTL recombinant protein	<p>Full-length recombinant human MASTL was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number for MASTL is NM_001172303.</p> <p>Microtubule associated serine/threonine kinase-like (MASTL) belongs to the MAST family, AGC Ser/Thr protein kinase group. MASTL promotes mitotic progression and cell cycle reentry after DNA damage. Loss of MASTL leads to defects in chromosome condensation, separation, and other aspects of mitotic progression, which is primarily mediated by inhibiting PP2A/B55delta. Overexpression of MASTL is correlated with cancer progression, poor patient survival, and tumor recurrence in various cancers.</p>
Product Categories/Family for MASTL recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases
References	<p>1. Wang L, et al. Mastl kinase, a promising therapeutic target, promotes cancer recurrence. Oncotarget. 5:11479-89, 2014.</p> <p>2. Zhao Y, et al. Roles of Greatwall kinase in the regulation of cdc25 phosphatase. Mol Biol Cell. 19:1317-27, 2008.</p>

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001172303
Molecular Weight	150kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mastl-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73737>